

**Yakima Valley Dairies
SDWA-10-2013-0080**

Residential Well Sampling

Data Usability Summary Report
Sample Delivery Group(s)
SWF00058 and SWF0070

June 18, 2013



A handwritten signature in black ink that reads "Amy Goldberg Day".

Amy Goldberg Day
Project Chemist

A handwritten signature in purple ink that appears to read "Steve Hicks".

Steve Hicks, PE
Quality Manager

A handwritten signature in blue ink that reads "Kevin M. Freeman".

Kevin M. Freeman, PG
Project Coordinator

**Data Usability Summary Report
Sample Delivery Group(s)
SWF0058 and SWF0070**

Residential Well Sampling
Yakima Valley Dairies
SDWA-10-2013-0080

Prepared for:
Yakima Valley Dairies

Prepared by:
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Date:
June 18, 2013

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Summary

This Data Usability Summary Report summarizes the review of Sample Delivery Group numbers SWF0058 and SWF0070 for samples collected under the Yakima Valley Dairies Residential Well Sampling Quality Assurance Project Plan (QAPP). This assessment of data validation and usability was performed per the guidance and requirements established under Section 4 of the QAPP.

Samples in Delivery Group numbers SWF0058 and SWF0070 were collected from residential wells per the QAPP during the period June 9 to June 10, 2013. This review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with nitrate were reviewed for this validation. Field documentation was not included in this review.

Analytical Data Package Documentation

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable	
	No	Yes	No	Yes
1. Sample receipt condition		X		X
2. Requested analyses and sample results		X		X
3. Master tracking list		X		X
4. Methods of analysis		X		X
5. Reporting Limits		X		X
6. Sample collection date		X		X
7. Laboratory sample received date		X		X
8. Sample preservation verification (as applicable)		X		X
9. Sample preparation/extraction/analysis dates		X		X
10. Fully executed chain of custody form		X		X
11. Narrative summary of quality assurance (QA) or sample problems provided		X		X
12. Data package completeness and compliance		X		X

Laboratory Analysis

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 300.0 (USEPA 2010). Data were reviewed in accordance with USEPA National Functional Guidelines (USEPA 2005).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and has already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines (USEPA 2005):

- **Concentration (C) Qualifiers**
 - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
 - B The compound has been found in the sample as well as its associated blank. Its presence in the sample may be suspect.
- **Quantitation (Q) Qualifiers**
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- **Validation Qualifiers**
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
 - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
 - UB The compound is considered non-detect at the listed value due to associated blank contamination.

- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- R The sample results are rejected as unusable. The compound may or may not be present in the sample.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Nitrate

Holding Times

The specified holding time for nitrate (as nitrogen) analyzed by Method SW-846 300 is presented in the following table.

Method	Matrix	Holding Time	Preservation
Nitrate as Nitrogen SW-846 300.0	Water	48 hours	Cool to 4±2 °C

The samples were prepared and analyzed within the specified holding time criteria.

Blank Contamination

QA blanks (i.e., laboratory method blanks and equipment rinse blanks) are prepared to identify any contamination that may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Nitrate associated with the QA blanks exhibited a concentration less than the MDL. No data were qualified based on blank contamination.

Matrix Spike/Matrix Spike Duplicate Samples

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the (optional) MS/MSD analysis must exhibit recoveries within the method-specified acceptance limits of 80 to 120 percent. The relative percent difference (RPD) between the MS and MSD results should be within the laboratory-established acceptance limits of zero to 12.1 percent.

The MS/MSD results were compliant and no data were qualified based on MS/MSD recovery.

Laboratory Control Sample/Ongoing Precision and Recovery Analysis

The LCS/OPR analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/OPR analysis must exhibit recoveries within the method-specified acceptance limits.

All compounds associated with the LCS/OPR analyses exhibited recoveries within the control limits. The LCS/OPR results were compliant and no data were qualified based on LCS/OPR recovery.

Field Duplicate Sample Analysis

The field duplicate sample analysis is used to assess the precision of the field sampling procedures and analytical method.

Field duplicate samples were not collected as part of this dataset.

System Performance and Overall Assessment

Overall system performance was acceptable. The reporting limits met the data quality objects. The overall data quality is within the guidelines specified in the method. No data were qualified based on the findings of the data validation.



Data Validation Checklist for Nitrate

Nitrate (as Nitrogen): SW-846 300.0	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GC/MS					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment/Field blanks					X
Laboratory Control Sample (LCS) Accuracy %R		X		X	
LCS Duplicate (LCSD) %R					X
LCS/LCSD Precision (RPD)					X
MS %R		X		X	
MSD %R		X		X	
MS/MSD RPD		X		X	
Field/Laboratory Duplicate Sample RPD					X
Dilution Factor		X		X	
Moisture Content					X

Note: %R Percent recovery



Appendix A

TestAmerica Labs
Analytical Report SWF0058

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Spokane

11922 East 1st. Avenue

Spokane, WA 99206

Tel: (509)924-9200

TestAmerica Job ID: SWF0058

Client Project/Site: [none]

Client Project Description: Yakima Dairies

For:

ARCADIS U.S., Inc. - Liberty Lake

695 N. Legacy Ridge Drive, Suite 200

Liberty Lake, WA 99019

Attn: Tom Mullen



Authorized for release by:

6/13/2013 1:10:56 PM

Randee Decker, Project Manager

Randee.Decker@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

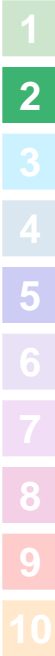


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Sample Summary

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0058

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
SWF0058-01	RW-1224	Water	06/09/13 16:00	06/11/13 07:50
SWF0058-02	RW-2224	Water	06/09/13 16:03	06/11/13 07:50
SWF0058-03	RW-3214	Water	06/09/13 18:05	06/11/13 07:50
SWF0058-04	RW-1214	Water	06/09/13 18:12	06/11/13 07:50
SWF0058-05	RW-1237	Water	06/09/13 19:00	06/11/13 07:50
SWF0058-06	RW-1221	Water	06/09/13 19:28	06/11/13 07:50
SWF0058-07	RW-1235	Water	06/09/13 18:32	06/11/13 07:50
SWF0058-08	RW-1238	Water	06/09/13 19:44	06/11/13 07:50
SWF0058-09	RW-1230	Water	06/10/13 11:19	06/11/13 07:50

Definitions/Glossary

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0058

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0058

Client Sample ID: RW-1224

Lab Sample ID: SWF0058-01

Date Collected: 06/09/13 16:00

Matrix: Water

Date Received: 06/11/13 07:50

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	9.26		0.400		mg/l		06/11/13 08:40	06/11/13 08:52	2.00

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0058

Client Sample ID: RW-2224

Lab Sample ID: SWF0058-02

Date Collected: 06/09/13 16:03

Matrix: Water

Date Received: 06/11/13 07:50

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	9.28		0.400		mg/l		06/11/13 08:40	06/11/13 09:10	2.00

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0058

Client Sample ID: RW-3214

Lab Sample ID: SWF0058-03

Date Collected: 06/09/13 18:05

Matrix: Water

Date Received: 06/11/13 07:50

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	ND		0.200		mg/l		06/11/13 08:40	06/11/13 14:08	1.00

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0058

Client Sample ID: RW-1214

Lab Sample ID: SWF0058-04

Date Collected: 06/09/13 18:12

Matrix: Water

Date Received: 06/11/13 07:50

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	12.7		0.400		mg/l		06/11/13 08:40	06/11/13 09:48	2.00

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0058

Client Sample ID: RW-1237

Lab Sample ID: SWF0058-05

Date Collected: 06/09/13 19:00

Matrix: Water

Date Received: 06/11/13 07:50

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	35.7		0.400		mg/l		06/11/13 08:40	06/11/13 10:06	2.00

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0058

Client Sample ID: RW-1221

Lab Sample ID: SWF0058-06

Date Collected: 06/09/13 19:28

Matrix: Water

Date Received: 06/11/13 07:50

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	13.0		0.400		mg/l		06/11/13 08:40	06/11/13 10:25	2.00

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0058

Client Sample ID: RW-1235

Lab Sample ID: SWF0058-07

Date Collected: 06/09/13 18:32

Matrix: Water

Date Received: 06/11/13 07:50

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	6.16		0.400		mg/l		06/11/13 08:40	06/11/13 10:43	2.00

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0058

Client Sample ID: RW-1238

Lab Sample ID: SWF0058-08

Date Collected: 06/09/13 19:44

Matrix: Water

Date Received: 06/11/13 07:50

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	13.8		0.400		mg/l		06/11/13 08:40	06/11/13 11:02	2.00

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0058

Client Sample ID: RW-1230

Lab Sample ID: SWF0058-09

Date Collected: 06/10/13 11:19

Matrix: Water

Date Received: 06/11/13 07:50

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	25.9		0.400		mg/l		06/11/13 08:40	06/11/13 11:21	2.00

QC Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0058

Method: EPA 300.0 - Anions by EPA Method 300.0

Lab Sample ID: 13F0062-BLK1

Matrix: Water

Analysis Batch: 13F0062

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 13F0062_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	ND		0.200		mg/l		06/11/13 08:00	06/11/13 12:54	1.00

Lab Sample ID: 13F0062-BS1

Matrix: Water

Analysis Batch: 13F0062

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 13F0062_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate-Nitrogen	5.00	4.97		mg/l		99.4	90 - 110

Lab Sample ID: 13F0062-MS1

Matrix: Water

Analysis Batch: 13F0062

Client Sample ID: RW-3214

Prep Type: Total

Prep Batch: 13F0062_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate-Nitrogen	ND		5.00	4.69		mg/l		93.7	80 - 120

Lab Sample ID: 13F0062-MSD1

Matrix: Water

Analysis Batch: 13F0062

Client Sample ID: RW-3214

Prep Type: Total

Prep Batch: 13F0062_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate-Nitrogen	ND		5.00	4.71		mg/l		94.2	80 - 120	0.468	12.1

Lab Sample ID: 13F0062-DUP1

Matrix: Water

Analysis Batch: 13F0062

Client Sample ID: RW-3214

Prep Type: Total

Prep Batch: 13F0062_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
Nitrate-Nitrogen	ND		ND		mg/l			13.1

TestAmerica Spokane

Lab Chronicle

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0058

Client Sample ID: RW-1224

Lab Sample ID: SWF0058-01

Date Collected: 06/09/13 16:00

Matrix: Water

Date Received: 06/11/13 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0062_P	06/11/13 08:40	CBW	TAL SPK
Total	Analysis	EPA 300.0		2.00	13F0062	06/11/13 08:52	CBW	TAL SPK

Client Sample ID: RW-2224

Lab Sample ID: SWF0058-02

Date Collected: 06/09/13 16:03

Matrix: Water

Date Received: 06/11/13 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0062_P	06/11/13 08:40	CBW	TAL SPK
Total	Analysis	EPA 300.0		2.00	13F0062	06/11/13 09:10	CBW	TAL SPK

Client Sample ID: RW-3214

Lab Sample ID: SWF0058-03

Date Collected: 06/09/13 18:05

Matrix: Water

Date Received: 06/11/13 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0062_P	06/11/13 08:40	CBW	TAL SPK
Total	Analysis	EPA 300.0		1.00	13F0062	06/11/13 14:08	CBW	TAL SPK

Client Sample ID: RW-1214

Lab Sample ID: SWF0058-04

Date Collected: 06/09/13 18:12

Matrix: Water

Date Received: 06/11/13 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0062_P	06/11/13 08:40	CBW	TAL SPK
Total	Analysis	EPA 300.0		2.00	13F0062	06/11/13 09:48	CBW	TAL SPK

Client Sample ID: RW-1237

Lab Sample ID: SWF0058-05

Date Collected: 06/09/13 19:00

Matrix: Water

Date Received: 06/11/13 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0062_P	06/11/13 08:40	CBW	TAL SPK
Total	Analysis	EPA 300.0		2.00	13F0062	06/11/13 10:06	CBW	TAL SPK

Client Sample ID: RW-1221

Lab Sample ID: SWF0058-06

Date Collected: 06/09/13 19:28

Matrix: Water

Date Received: 06/11/13 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0062_P	06/11/13 08:40	CBW	TAL SPK
Total	Analysis	EPA 300.0		2.00	13F0062	06/11/13 10:25	CBW	TAL SPK

TestAmerica Spokane

Lab Chronicle

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0058

Client Sample ID: RW-1235

Lab Sample ID: SWF0058-07

Date Collected: 06/09/13 18:32

Matrix: Water

Date Received: 06/11/13 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0062_P	06/11/13 08:40	CBW	TAL SPK
Total	Analysis	EPA 300.0		2.00	13F0062	06/11/13 10:43	CBW	TAL SPK

Client Sample ID: RW-1238

Lab Sample ID: SWF0058-08

Date Collected: 06/09/13 19:44

Matrix: Water

Date Received: 06/11/13 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0062_P	06/11/13 08:40	CBW	TAL SPK
Total	Analysis	EPA 300.0		2.00	13F0062	06/11/13 11:02	CBW	TAL SPK

Client Sample ID: RW-1230

Lab Sample ID: SWF0058-09

Date Collected: 06/10/13 11:19

Matrix: Water

Date Received: 06/11/13 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0062_P	06/11/13 08:40	CBW	TAL SPK
Total	Analysis	EPA 300.0		2.00	13F0062	06/11/13 11:21	CBW	TAL SPK

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st. Avenue, Spokane, WA 99206, TEL (509)924-9200

Certification Summary

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0058

Laboratory: TestAmerica Spokane

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-071	10-31-13
Washington	State Program	10	C569	01-06-14

Method Summary

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0058

Method	Method Description	Protocol	Laboratory
EPA 300.0	Anions by EPA Method 300.0		TAL SPK

Protocol References:

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st. Avenue, Spokane, WA 99206, TEL (509)924-9200

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

5755 8th Street East, Tacoma, WA 98424-1317
 11922 E. First Ave., Spokane WA 99206-5302
 9405 SW Nimbus Ave., Beaverton, OR 97008-7145
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

253-922-2310 FAX 922-5047
 509-924-9200 FAX 924-9290
 503-906-9200 FAX 906-9210
 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #: **311008**

CLIENT: AREADIS		INVOICE TO: AREADIS-US		TURNAROUND REQUEST in Business Days *	
REPORT TO: TOM MULLEN		P.O. NUMBER:		<input type="checkbox"/> 10 STD. <input checked="" type="checkbox"/> 5 Organic & Inorganic Analyses <input type="checkbox"/> 4 Petroleum Hydrocarbon Analyses <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1	
ADDRESS: 6915 N. Legacyst Ridge Dr. #200		PRESERVATIVE		<input type="checkbox"/> 5 STD. <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1	
PHONE: Liberty Lake WA 99019		REQUESTED ANALYSES		OTHER Specify:	
PROJECT NAME: YVD					
PROJECT NUMBER: TBD					
SAMPLED BY: Sebastian + Ivan					
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME				
1. RW-1224	6-9-13 1600				
2. RW-2224	1603				
3. RW-3214	1805				
4. RW-1214	1812				
5. RW-1237	1900				
6. RW-1221	1928				
7. RW-1235	1832				
8. RW-1238	1944				
9. RW-1220	6-10-13 1119				
10					
RELEASED BY: Sebastian	DATE: 6-10-13	RECEIVED BY: Christina	DATE: 6-11-13		
PRINT NAME:	TIME:	PRINT NAME:	TIME:		
RELEASED BY:	DATE:	RECEIVED BY:	DATE:		
PRINT NAME:	TIME:	PRINT NAME:	TIME:		
ADDITIONAL REMARKS:		FIRM: AREADIS		FIRM: PA Systems	
		FIRM:		FIRM:	
		TEMP: 29		PAGE: 1 OF 1	

TAL-1000 (0612)

**TestAmerica Spokane
Sample Receipt Form**

Work Order #: SNF00508	Client: Aroadis	Project: YUD		
Date/Time Received: 6-11-13 0750	By: CW			
Samples Delivered By: <input type="checkbox"/> Shipping Service <input checked="" type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> Other:				
List Air Bill Number(s) or Attach a photocopy of the Air Bill: 8020 4658 2331				
Receipt Phase	Yes	No	NA	Comments
Were samples received in a cooler:	X			
Custody Seals are present and intact:	X			
Are CoC documents present:	X			
Necessary signatures:	X			
Thermal Preservation Type: <input type="checkbox"/> Blue Ice <input type="checkbox"/> Gel Ice <input checked="" type="checkbox"/> Real Ice <input type="checkbox"/> Dry Ice <input type="checkbox"/> None <input type="checkbox"/> Other:				
Temperature: 29 °C Thermometer (Circle one Serial # 122208348, Keyring IR Serial # 111874910 IR Gun 2) (acceptance criteria 0-6				
Temperature out of range: <input type="checkbox"/> Not enough ice <input type="checkbox"/> Ice melted <input type="checkbox"/> w/in 4hrs of collection <input type="checkbox"/> NA <input type="checkbox"/> Other:				
Log-in Phase	Yes	No	NA	Comments
Date/Time: 6-11-13 8:36 By: AS				
Are sample labels affixed and completed for each container	X			
Samples containers were received intact:	X			
Do sample IDs match the CoC	X			
Appropriate sample containers were received for tests requested	X			
Are sample volumes adequate for tests requested	X			
Appropriate preservatives were used for the tests requested	X			
pH of inorganic samples checked and is within method specification	X			
Are VOC samples free of bubbles >6mm (1/4" diameter)			X	
Are dissolved parameters field filtered			X	
Do any samples need to be filtered or preserved by the lab		X		
Does this project require quick turnaround analysis		X		
Are there any short hold time tests (see chart below)	X			Nitrate
Are any samples within 2 days of or past expiration		X		
Was the CoC scanned	X			
Were there Non-conformance issues at login		X		
If yes, was a CAR generated #			X	

24 hours or less	48 hours	7 days
Coliform Bacteria	BOD, Color, MBAS	TDS, TSS, VDS, FDS
Chromium +6	Nitrate/Nitrite	Sulfide
	Orthophosphate	Aqueous Organic Prep

Form No. SP-FORM-SPL-002 12 December 2012



Appendix B

TestAmerica Labs
Analytical Report SWF0070

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Spokane

11922 East 1st. Avenue

Spokane, WA 99206

Tel: (509)924-9200

TestAmerica Job ID: SWF0070

Client Project/Site: [none]

Client Project Description: Yakima Dairies

For:

ARCADIS U.S., Inc. - Liberty Lake

695 N. Legacy Ridge Drive, Suite 200

Liberty Lake, WA 99019

Attn: Tom Mullen



Authorized for release by:

6/13/2013 1:13:58 PM

Randee Decker, Project Manager

Randee.Decker@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

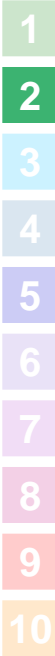


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Client Sample Results	5
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Method Summary	18
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Sample Summary

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0070

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
SWF0070-01	RW-1204	Water	06/10/13 18:40	06/11/13 15:25
SWF0070-02	RW-1218	Water	06/10/13 17:55	06/11/13 15:25
SWF0070-03	RW-1219	Water	06/10/13 18:10	06/11/13 15:25
SWF0070-04	RW-1216	Water	06/10/13 17:02	06/11/13 15:25
SWF0070-05	RW-1211	Water	06/10/13 16:40	06/11/13 15:25
SWF0070-06	RW-1212	Water	06/10/13 16:00	06/11/13 15:25
SWF0070-07	RW-2212	Water	06/10/13 16:05	06/11/13 15:25
SWF0070-08	RW-1169	Water	06/10/13 15:08	06/11/13 15:25
SWF0070-09	RW-3169	Water	06/10/13 14:55	06/11/13 15:25

Definitions/Glossary

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0070

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0070

Client Sample ID: RW-1204

Lab Sample ID: SWF0070-01

Date Collected: 06/10/13 18:40

Matrix: Water

Date Received: 06/11/13 15:25

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	13.1		0.400		mg/l		06/11/13 16:28	06/11/13 16:38	2.00

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0070

Client Sample ID: RW-1218

Lab Sample ID: SWF0070-02

Date Collected: 06/10/13 17:55

Matrix: Water

Date Received: 06/11/13 15:25

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	26.6		0.400		mg/l		06/11/13 16:28	06/11/13 16:57	2.00

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0070

Client Sample ID: RW-1219

Lab Sample ID: SWF0070-03

Date Collected: 06/10/13 18:10

Matrix: Water

Date Received: 06/11/13 15:25

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	31.1		0.400		mg/l		06/11/13 16:28	06/11/13 17:16	2.00

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0070

Client Sample ID: RW-1216

Lab Sample ID: SWF0070-04

Date Collected: 06/10/13 17:02

Matrix: Water

Date Received: 06/11/13 15:25

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	4.56		0.400		mg/l		06/11/13 16:28	06/11/13 17:34	2.00

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0070

Client Sample ID: RW-1211

Lab Sample ID: SWF0070-05

Date Collected: 06/10/13 16:40

Matrix: Water

Date Received: 06/11/13 15:25

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	3.06		0.400		mg/l		06/11/13 16:28	06/11/13 17:53	2.00

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0070

Client Sample ID: RW-1212

Lab Sample ID: SWF0070-06

Date Collected: 06/10/13 16:00

Matrix: Water

Date Received: 06/11/13 15:25

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	12.5		0.400		mg/l		06/11/13 16:28	06/11/13 18:12	2.00

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0070

Client Sample ID: RW-2212

Lab Sample ID: SWF0070-07

Date Collected: 06/10/13 16:05

Matrix: Water

Date Received: 06/11/13 15:25

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	12.3		0.400		mg/l		06/11/13 16:28	06/11/13 18:30	2.00

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0070

Client Sample ID: RW-1169

Lab Sample ID: SWF0070-08

Date Collected: 06/10/13 15:08

Matrix: Water

Date Received: 06/11/13 15:25

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	9.72		0.400		mg/l		06/11/13 16:28	06/11/13 18:49	2.00

Client Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0070

Client Sample ID: RW-3169

Lab Sample ID: SWF0070-09

Date Collected: 06/10/13 14:55

Matrix: Water

Date Received: 06/11/13 15:25

Method: EPA 300.0 - Anions by EPA Method 300.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	ND		0.200		mg/l		06/11/13 16:28	06/11/13 19:07	1.00

QC Sample Results

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0070

Method: EPA 300.0 - Anions by EPA Method 300.0

Lab Sample ID: 13F0067-BLK1

Matrix: Water

Analysis Batch: 13F0067

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 13F0067_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate-Nitrogen	ND		0.200		mg/l		06/11/13 16:28	06/11/13 20:40	1.00

Lab Sample ID: 13F0067-BS1

Matrix: Water

Analysis Batch: 13F0067

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 13F0067_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate-Nitrogen	5.00	5.07		mg/l		101	90 - 110

Lab Sample ID: 13F0067-MS1

Matrix: Water

Analysis Batch: 13F0067

Client Sample ID: RW-3169

Prep Type: Total

Prep Batch: 13F0067_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate-Nitrogen	ND		5.00	4.91		mg/l		98.1	80 - 120

Lab Sample ID: 13F0067-MSD1

Matrix: Water

Analysis Batch: 13F0067

Client Sample ID: RW-3169

Prep Type: Total

Prep Batch: 13F0067_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate-Nitrogen	ND		5.00	4.90		mg/l		97.9	80 - 120	0.224	12.1

Lab Sample ID: 13F0067-DUP1

Matrix: Water

Analysis Batch: 13F0067

Client Sample ID: RW-3169

Prep Type: Total

Prep Batch: 13F0067_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
Nitrate-Nitrogen	ND		ND		mg/l			13.1

TestAmerica Spokane

Lab Chronicle

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0070

Client Sample ID: RW-1204

Lab Sample ID: SWF0070-01

Date Collected: 06/10/13 18:40

Matrix: Water

Date Received: 06/11/13 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0067_P	06/11/13 16:28	CBW	TAL SPK
Total	Analysis	EPA 300.0		2.00	13F0067	06/11/13 16:38	CBW	TAL SPK

Client Sample ID: RW-1218

Lab Sample ID: SWF0070-02

Date Collected: 06/10/13 17:55

Matrix: Water

Date Received: 06/11/13 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0067_P	06/11/13 16:28	CBW	TAL SPK
Total	Analysis	EPA 300.0		2.00	13F0067	06/11/13 16:57	CBW	TAL SPK

Client Sample ID: RW-1219

Lab Sample ID: SWF0070-03

Date Collected: 06/10/13 18:10

Matrix: Water

Date Received: 06/11/13 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0067_P	06/11/13 16:28	CBW	TAL SPK
Total	Analysis	EPA 300.0		2.00	13F0067	06/11/13 17:16	CBW	TAL SPK

Client Sample ID: RW-1216

Lab Sample ID: SWF0070-04

Date Collected: 06/10/13 17:02

Matrix: Water

Date Received: 06/11/13 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0067_P	06/11/13 16:28	CBW	TAL SPK
Total	Analysis	EPA 300.0		2.00	13F0067	06/11/13 17:34	CBW	TAL SPK

Client Sample ID: RW-1211

Lab Sample ID: SWF0070-05

Date Collected: 06/10/13 16:40

Matrix: Water

Date Received: 06/11/13 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0067_P	06/11/13 16:28	CBW	TAL SPK
Total	Analysis	EPA 300.0		2.00	13F0067	06/11/13 17:53	CBW	TAL SPK

Client Sample ID: RW-1212

Lab Sample ID: SWF0070-06

Date Collected: 06/10/13 16:00

Matrix: Water

Date Received: 06/11/13 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0067_P	06/11/13 16:28	CBW	TAL SPK
Total	Analysis	EPA 300.0		2.00	13F0067	06/11/13 18:12	CBW	TAL SPK

TestAmerica Spokane

Lab Chronicle

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0070

Client Sample ID: RW-2212

Lab Sample ID: SWF0070-07

Date Collected: 06/10/13 16:05

Matrix: Water

Date Received: 06/11/13 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0067_P	06/11/13 16:28	CBW	TAL SPK
Total	Analysis	EPA 300.0		2.00	13F0067	06/11/13 18:30	CBW	TAL SPK

Client Sample ID: RW-1169

Lab Sample ID: SWF0070-08

Date Collected: 06/10/13 15:08

Matrix: Water

Date Received: 06/11/13 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0067_P	06/11/13 16:28	CBW	TAL SPK
Total	Analysis	EPA 300.0		2.00	13F0067	06/11/13 18:49	CBW	TAL SPK

Client Sample ID: RW-3169

Lab Sample ID: SWF0070-09

Date Collected: 06/10/13 14:55

Matrix: Water

Date Received: 06/11/13 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Wet Chem		1.00	13F0067_P	06/11/13 16:28	CBW	TAL SPK
Total	Analysis	EPA 300.0		1.00	13F0067	06/11/13 19:07	CBW	TAL SPK

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st. Avenue, Spokane, WA 99206, TEL (509)924-9200

Certification Summary

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0070

Laboratory: TestAmerica Spokane

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-071	10-31-13
Washington	State Program	10	C569	01-06-14

Method Summary

Client: ARCADIS U.S., Inc. - Liberty Lake
Project/Site: [none]

TestAmerica Job ID: SWF0070

Method	Method Description	Protocol	Laboratory
EPA 300.0	Anions by EPA Method 300.0		TAL SPK

Protocol References:

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st. Avenue, Spokane, WA 99206, TEL (509)924-9200

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CLIENT: **ARCADIS**
 REPORT TO: **TOM MULLEN**
 ADDRESS: **6055 N. LeMayway Ridge Drive, Suite 200**
Liberty Lake WA 99019

PHONE: **206-266-1119**

PROJECT NAME: **VND**

PROJECT NUMBER: **783**

SAMPLED BY: **Sebesta + Lyons**

CLIENT SAMPLE IDENTIFICATION

SAMPLING DATE/TIME

10-10-13 1840

1755

1810

1702

1640

1600

1605

1119

1508

1405 1510

10 RW-3069

11 RW-3069

12 RW-3069

13 RW-3069

14 RW-3069

15 RW-3069

INVOICE TO:

ARCADIS - US

P.O. NUMBER:

PRESERVATIVE

REQUESTED ANALYSES

CHAIN OF CUSTODY REPORT

Work Order #: **3WFO070**

TURNAROUND REQUEST

in Business Days *

Organic & Inorganic Analyses
☒ 10 STD. ☐ 5 ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ <1

Petroleum Hydrocarbon Analyses
☐ 5 STD. ☐ 4 ☐ 3 ☐ 2 ☐ 1 ☐ <1

Specify:

OTHER

* Turnaround Requests less than standard may incur Rush Charges.

MATRIX (W, S, O) LOCATION/ COMMENTS # OF CONT. TA WO ID

W 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

1 1 1

DATE: 6-11-13

TIME: 15:25

DATE:

TIME:

FIRM: TA Spokane

FIRM:

TEMP: 1.9

PAGE 11

TAL-1000 (0612)

RECEIVED BY: **Chris William**

PRINT NAME:

RECEIVED BY:

PRINT NAME:

DATE: 6-11-13

TIME: 15:25

DATE:

TIME:

DATE: 6-11-13

TIME: 15:25

DATE:

TIME:

FIRM: Arcadis

FIRM:

FIRM:

FIRM:

RELEASED BY:

PRINT NAME:

RELEASED BY:

PRINT NAME:

ADDITIONAL REMARKS:

**TestAmerica Spokane
Sample Receipt Form**

Work Order #: SWF0070	Client: Arcaadis	Project: YVD		
Date/Time Received: 6-11-13 15:25 By: Chris				
Samples Delivered By: <input type="checkbox"/> Shipping Service <input type="checkbox"/> Courier <input checked="" type="checkbox"/> Client <input type="checkbox"/> Other:				
List Air Bill Number(s) or Attach a photocopy of the Air Bill:				
Receipt Phase	Yes	No	NA	Comments
Were samples received in a cooler:	X			
Custody Seals are present and intact:			X	
Are CoC documents present:	X			
Necessary signatures:	X			
Thermal Preservation Type: <input type="checkbox"/> Blue Ice <input type="checkbox"/> Gel Ice <input checked="" type="checkbox"/> Real Ice <input type="checkbox"/> Dry Ice <input type="checkbox"/> None <input type="checkbox"/> Other:				
Temperature: 1.9 °C Thermometer (Circle one Serial # 122208348 - Keyring IR Serial # 111874910 IR Gun 2) (acceptance criteria 0-6				
Temperature out of range: <input type="checkbox"/> Not enough ice <input type="checkbox"/> Ice melted <input type="checkbox"/> w/in 4hrs of collection <input type="checkbox"/> NA <input type="checkbox"/> Other:				
Log-in Phase	Yes	No	NA	Comments
Date/Time: 6-11-13 15:32 By: CS				
Are sample labels affixed and completed for each container	X			
Samples containers were received intact:	X			
Do sample IDs match the CoC	X			
Appropriate sample containers were received for tests requested	X			
Are sample volumes adequate for tests requested	X			
Appropriate preservatives were used for the tests requested	X			
pH of inorganic samples checked and is within method specification	X			
Are VOC samples free of bubbles >6mm (1/4" diameter)			X	
Are dissolved parameters field filtered			X	
Do any samples need to be filtered or preserved by the lab		X		
Does this project require quick turnaround analysis		X		
Are there any short hold time tests (see chart below)	X			Nitrate
Are any samples within 2 days of or past expiration		X		
Was the CoC scanned	X			
Were there Non-conformance issues at login		X		
If yes, was a CAR generated #			X	

24 hours or less	48 hours	7 days
Coliform Bacteria	BOD, Color, MBAS	TDS, TSS, VDS, FDS
Chromium +6	Nitrate/Nitrite	Sulfide
	Orthophosphate	Aqueous Organic Prep

Form No. SP-FORM-SPL-002 12 December 2012